

**Abstract**

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**ABSTRACT OF THE DISCLOSURE**

Systems and methods for providing an automated diagnostic audit for computer cluster systems are provided. One such method includes receiving information associated with the cluster computer system, the information comprising a plurality of system configuration parameters for each of the plurality of nodes in the cluster computer system; defining a plurality of system configuration categories associated with the plurality of system configuration parameters and a threshold benchmark for each of the plurality of system configuration categories, each of the threshold benchmarks based on a predefined set of rules; associating each of a portion of the plurality of system configuration parameters for each of the plurality of nodes with one of the plurality of system configuration categories; and generating audit information, the audit information based on a comparison of each of the portions for each of the plurality of nodes to the threshold benchmark for the associated system configuration category.